

Induction Preheating oil drilling shaft

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering, induction melting and induction surface treatment applications
<http://www.uihm.com>

Preheating oil drilling shaft Objective To preheat a steel pipe to 500°F (260°C) before welding.

Material Steel shaft assembly 5" to 8" OD (127-203.2mm) with a 2" (50.8mm) heat zone.

Temperature 500°F (260°C), if higher temperatures are required, heat time can be increased.

Frequency 83 kHz

Equipment • Power of 120kW induction heating system, equipped with a remote workhead containing eight 1.0 µF capacitors for a total of 8 µF.

- An induction heating coil designed and developed specifically for this application.

Process A multi-turn two position channel "C" coil, adjustable on a busbar is used to heat the desired heat zone. The coil is adjustable to fit various diameter pipes. The shaft is rotated in a fixture and heated for 3 minutes to achieve a temperature of 500°F (260°C).

Results/Benefits Induction heating provides:

- Preheating prevents shock to shaft which eliminates cracking in the welding phase.
 - Hands-free heating that involves no operator skill for manufacturing.
 - Even distribution of heating between the shank and the sleeve.
- Preheating oil drilling shaft

service@uihm.com

United Induction Heating Machine Limited

